Radio-Electronics

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Abbreviations: (C) Construction; (CC) Computer Corner; (D) Department; (EX) Extract; (E) Editorial; (ER) Equipment Report; (F) Filler; (HC) Hobby Corner; (ICAM) IC Application Of The Month; (KK) Komputer Korner; (L) Letter; (LTHFER) Lab-Tested Hi-Fi Equipment Report; (RQ) Reader Question; (SBS) Step-By-Step Troubleshooting; (SC) Service Clinic; (SOSS) State of Solid State; (SQ) Service Questions

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CTC-16 (RQ) Mar 85
CTC-19 (SQ) Dec 67
CTC-22 (RQ) Mar 84
CTC-25 (RQ) Apr 80
(SQ) Feb 83, Nov 77
CTC-25X (RQ) Jan 77
CTC-28 (RQ) Apr 81
CTC-30AE (RQ) Oct 84
CTC-36 (RQ) Apr 79
CTC-38 (F) Mar 99
(RQ) Feb 83, Oct 85
CTC-39XA (F) Feb 87
CTC-49XA (SQ) Nov 83
CTC-52XAC (SQ) Dec 74
CTC-53 (RQ) Feb 80
CTC-59 (RQ) Aug 68
CTC-68 (RQ) Apr 79, Oct 75
(SQ) Nov 77
KCS-156AA (RQ) Jul 76
What's New For '77 (EX) (Savon) Feb 55
YVD-994 Stereo (RQ) Feb 80
Reader Questions (D) (listed under specific symptoms and equipment model numbers by manufacturer)
Realign Your FM Receiver (Molle) Oct 50
Receiver (see listing under Hi-Fi)
Rectifier Diodes, Safe Rating (RQ) Jan 77
Relays Chatter On Peaks (RQ) Sep 82
Repair Book, TV (SQ) Nov 83
Replacement Transistor Trick (RQ) Feb 81
Resistor—Burns Up (SQ) Dec 74
Burnup (F) Feb 87
Restoring Antique Radios (McMahon) Aug 58
Reticon SAD-1024 (ICAM) Apr 58
RF Generator (see listing under Test Equipment)
RF Power Meter (see listing under Test Equipment)
RF Transistor Bad (RQ) Oct 88
RF Wattmeter (see listing under Test Equipment)
Rhythm Generators (SOSS) Mar 78
Ripple In Picture, Too Much (RQ) Mar 84
Roll & Dim-Out (RQ) Feb 80
Room Equalization, New Way (Feldman) May 42

S

SAD-1024 Reticon (ICAM) Apr 58
Scanning Lines, Wide (RQ) Mar 85
Scelbi Computer 8008/8080 Programming Manuals (ER) Apr 28
Schematic For Color Bar (RQ) Feb 79
Scope (see Oscilloscopes listing under Test Equipment)
Scope Symptom, Odd (SQ) Nov 76
SCR (also see SOSS)
SCR (HC) Dec 70
Screen Controls (SC) Feb 78
Sears
562.10423 (SQ) Nov 77
564.80161 (RQ) Apr 80
564.80162 (RQ) Oct 87
41101 (RQ) Oct 87
Secret Messages, How To Decipher (Chesson) Dec 48
Security (see Alarm)
Semiconductor (also see SOSS)
Tester (see listing under Test Equipment)
Today's (Savon) Sep 80
Sencore—DVM-35, DVM-36 Digital Multimeters (ER) Jan 28
TF46 Transistor & FET Tester (ER) Dec 26
Series-Heater Breakdown (RQ) Feb 81
Service (also see Test Equipment)
Clinic (D) Jan 75, Feb 78, Mar 81, Apr 77, May 81, Jun 68, Jul 68, Aug 60, Sep 81, Oct 74, Nov 75, Dec 66
Data (RQ) Oct 84
Double, Double, Toil & Trouble (SC) Aug 60
Intermittent, Attacking The (SC) Sep 81
Service Questions (D) (also see Reader Questions; also listed under specific symptoms and model numbers by manufacturer)

Servicing With Multimeters (Kluijtmans) Apr 67

Sherwood
HP-2000 Amplifier (LTHFER) Jun 59
Micro CPU-100 FM Tuner (LTHFER) Nov 65

Shutoff, Quick (RQ) Oct 75

Signal Generator (see listing under Test Equipment)

Singer HE8-101 (RQ) Oct 85

Slot Machine, Electronic (C) (Hart) Jul 39

Software (see Computer)

Solderless Coax Connector, New (Shunaman) Feb 54

Solving The dB Mystery (Feldman) Jun 65

Sony
Elcaset EL-5 Tape Deck (LTHFER) Jun 57
Micro-TV (RQ) Jul 78
STR-5800SD Receiver (LTHFER) Jan 56

Sound
Add To Movies (Jaremko) Aug 45
No, Guitar Amplifier (RQ) Feb 82
Problem (RQ) Oct 75

Soundcraftsman PE2217 Equalizer (LTHFER) Feb 57

Speakers (see listing under Hi-Fi)

Spectro-Acoustics 101B Preamp (LTHFER) Nov 57

Speed Control Problem (SQ) Sep 101

Stacks (CC) Mar 22

State Of Solid State (SOSS) (D) Feb 100, Mar 78
Jul 63, Sep 70, Oct 72, Nov 80, Dec 68

Step-By-Step Troubleshooting (SBS) Jan 68, Jul 58

Stereo (see Hi-Fi)

SWR Bridge (see SWR Meter listing under Test Equipment)

SWR Meter (see listing under Test Equipment)

Sylvania
DO2-1 (SQ) Nov 78
DO5-14 (RQ) Mar 84
EO-2 (RQ) Mar 85, Apr 80
EO-2-1 (RQ) Apr 81
EO-8 (RQ) Oct 75
2600 Receiver (LTHFER) Dec 54

Sync At All, No (RQ) Oct 84

Synthesizer (see CB, see Music)

T

Tape Deck Distortion (RQ) Oct 85

Teledyne 3C174WL (RQ) Oct 87

Telematic
KC-702B Crystal Tester (ER) Sep 22
SG-785 Ferret (ER) Oct 89

Telephone
Amplifier For Hands-Off (C) (Gilder) May 60, (L) Jul 14
Dialer With Memory, Pushbutton (C) (Feinwell) Jun 38, (L) Oct 14
Ringer, Remote, Plug-In (C) (Atwood) Nov 45
Turn-On Appliances Via Long Distance (C) (Gilder) Apr 39, (L) Jul 14

Teleswitch, Build (C) (Gilder) Apr 39, (L) Sep 14

Television (TV) (also see listing under Antennas)
Clock—Digital On-Screen (C) (Blechman) Jul 35
Color—Admiral—What's New for '77 (EX) (Savon) Feb 55
Bandpass Amplifiers (SBS) Jan 68
G-E—What's New For '77 (EX) (Savon) Feb 55
Programmable (Kleiman) May 49
Quasar—What's New For '77 (EX) (Savon) Feb 55
RCA—What's New For '77 (EX) (Savon) Feb 55
What's New For '77 (EX) (Savon) Feb 55
Zenith—What's New For '77 (EX) (Savon) Feb 55
Games—GI-AY-3-8500 Application Note (ICAM) Jan 61
Modulator (C) (Dash) Aug 33
Part II (Blechman) Jan 39
Reception, Improve (Schwartz) Apr 70
Service (see RQ, SQ, Service Clinic, SBS and specific manufacturers and subjects)
Color Bandpass Amplifiers (SBS) Jan 68
To Scope, Convert (RQ) Feb 83

10-Function Digital Clock (C) (Mazur) Aug 38, Sep 40, (L) Nov 15, 16

Test Equipment
Analog Voltmeters (Gilmore) Jan 46, Feb 75, Mar 69, (L) Jul 14
Audio Generator—Low-Distortion (ER) Oct 24
Capacitance Meter (C) (Vernon) Dec 37
Testers, CB (Belt) Dec 42
CB (Belt) Dec 42
Digital Multimeters (Belt) Nov 55
Dummy Loads (Belt) Nov 58
For Servicing (Belt) Nov 50
Frequency Counters (Belt) Nov 53
Match 283 In-Line (ER) Aug 24
Lunar DX-555 Signal Generator/Counter (ER) Oct 32
Oscilloscopes (Belt) Nov 57
Power Supplies (Belt) Nov 50
RF Generators (Belt) Nov 51
RF Wattmeters (Belt) Nov 58
Test Sets (EX) (Belt) Dec 42
Test Systems For Servicing (Belt) Nov 59
3 Low Cost Test Meters (C) (Osborne) Oct 40
2040 Signal Generator (ER) Feb 32
What You Need To Know (Belt) Nov 49
Color Bar Generator—Schematic For Amphenol (RQ) Feb 79
Communications Tester—Wawasee JBC-1000-SM (ER) Jun 25
Crystal Tester—Telematic KC-720B (ER) Sep 22
Curve Tracer—Polaris CT-751 Cobra (ER) Jul 26
Digital Multimeter—What You Should Know (Gilmore) Jul 53, (L) Nov 15
Dip Meter—CB (EX) (Belt) Dec 43
Dummy Loads For CB (Belt) Nov 58
FET Tester—Sencore TF46 (ER) Dec 26
Field-Strength Meter—CB (EX) (Belt) Dec 43
3 Low Cost CB Testers (C) (Osborne) Oct 40
Frequency Counters For CB (Belt) Nov 53
Lunar DX-555 Signal Generator (ER) Oct 32
30-MHz, CB (C) (Sante) Sep 43
Frequency Divider, Programmable (C) (Baumgras) May 37
Function Generator, XR-2206 Circuits (Marston) Apr 36, May 66
IC Identifier, Digital Tester (C) (Savage) Jun 44
IC Tester, Digital Identifier (C) (Savage) Jun 44
Heath IT-7400 Digital (ER) Aug 22
Logic Probe (C) (Fort) Mar 76, (L) Aug 14
$1 (C) (Burr) Aug 40
Microwave, UCE 245M Monitor (ER) Dec 25
Multimeter Digital—Data Precision 175 (ER) Mar 34
Fluke 8020A (ER) Oct 22
For CB (Belt) Nov 55
Sencore DVM-35, DVM-36 (ER) Jan 28
Servicing With (Kluijtmans) Apr 67
Oscilloscope—Build Optical Synthesizer (C) (Sikonowiz) Dec 33
Display Quad Signals (C) (Dunifer) Jun 42, (L) Oct 14
For CB Nov 57
Heath IO-104 (RQ) Jul 77
Leader LBO-515 (ER) Nov 26
Wawasee JBC-1000-SM (ER) Jun 25
Pattern Generator—Telematic SG-785 (ER) Oct 89
Picture Tube Restorer—Oneida 90A (ER) Aug 32
Power Meter—3 Low Cost CB (C) (Osborne) Oct 40
Power Supplies—For CB (Belt) Nov 50
Polaris TPS-225 DC (ER) Sep 26
Probes—Huntron Micro Telescopic (ER) Dec 24
Pulse Generator (HC) Sep 72
VIZ WR-549A (ER) May 30
RF Generator—All About Signal (Gilmore) Aug 49, Sep 58, Oct 67
For CB (Belt) Nov 51
RF Wattmeter—For CB (Belt) Nov 58
Wawasee JBC-1000-SM (ER) Jun 25
Semiconductor Tester—B&K 530 (ER) Oct 26
Signal Generator—CB 2040 (ER) Feb 32
Lunar DX-555 (ER) Oct 32
Spectrum Analyzer—Jerrold/Texscan VSM-5 (ER) Feb 34
SWR Bridge—Wawasee JBC-1000-SM (ER) Jun 25
SWR Meter—3 Low Cost CB (C) (Osborne) Oct 40
Translator Tester—For CB (EX) (Belt) Dec 44
Sencore TF46 (ER) Dec 26
Tuner Substituter—Telematic SG-785 (ER) Oct 89
Voltmeters—Analog (Gilmore) Jan 48, Feb 75, Mar 69
Audio—CB (EX) (Belt) Dec 43
Digital (Gilmore) July 53, (L) Nov 15
VOM—Triplett 60-NA (ER) Dec 22
VIZ WV-534A (ER) Sep 104
Test Instruments For CB Servicing (Belt) Nov 50
Test Probe For Testing Digital IC's (C) (Fort) Mar 76
Test Systems For CB Servicing (Belt) Nov 59
Tester (see specific listings under Test Equipment)
Testing CB Transceivers (Constantine) Sep 51
Texscan/Jerrold VSM-5 Spectrum Analyzer (ER) Feb 34
Thermistor Burning (RQ) Apr 80
Thermometer—2-Digit Electronic (C) (Sikonowiz) Sep 33
30-MHz CB Frequency Counter (C) (Sante) Sep 43
TIM Distortion (Feldman) Jul 47
3 Low Cost CB Test Meters (C) (Osborne) Oct 40
Tiger Cub Breakerless Ignition (ER) Nov 22
Time (see Clock)
Timers, Timers, Timers (HC) Oct 70
Timeshare (Godding) Jan 66
Today's Semiconductors (Savon) Sep 80
Tomorrow's Hi-Fi Gear (Feldman) Mar 40
Tools
Soldering—Ungar 5001 Versa Torch (ER) Nov 22
Torch—Ungar 5001 Versa (ER) Nov 22
Wire Wrap—OK Machine & Tool WSU-30 (ER) Sep 24
Trace Off-Center (RQ) Aug 67
Transducers (L) Sep 14
Transistor (also see SOSS)
Failure, Premature (RQ) Apr 81
Overheating (RQ) Feb 80, Oct 87
Replacement Trick (RQ) Feb 81
Voltages (RQ) May 84
Tri-Star Tiger CB Alarm (ER) Oct 90
Triplett 60-NA Ruggedized VOM (ER) Dec 22
Truetone
GEC-3420B-57 (RQ) Oct 86
4DC6325 (F) Mar 100
19XA (RQ) Oct 86
Tube
Blow Out, 12AX7 (RQ) May 85
Burn Up, Output (SQ) Dec 75
Plate, Touchy (SQ) Nov 77
Substitute, 19V8 (SQ) Dec 75
Tuner
Drive Motor Burns Up (RQ) Apr 79
Substituter (see listing under Test Equipment)
Turn-On Appliances Via Long Distance (C) (Gilder) Apr 39, (L) Jul 14, (L) Nov 18
Turntable (see listing under Hi-Fi)
2650
Microcomputer System (C) (Roloff) Apr 31, May 45, Jun 47
Newsletter (L) Sep 14
Q & A (L) Sep 18
23 or 40—When Should You Buy (Petras) Jan 43
2-Digit Electronic Thermometer (C) (Sikonowiz) Sep 33

U

UART8 (see listing under Computer)
UCE 245M Microwave Monitor (ER) Dec 25
Unfinished Job (F) Mar 99
Ungar 5001 Versa Torch (ER) Nov 22
Using PLL For CB Frequency Synthesizers (Scott) Feb 47, Mar 58, Apr 43

V

Vertical
Line, Thin (RQ) Aug 68
Output Transistor (RQ) Mar 85
Problem (RQ) Apr 81, Oct 86
Retrace (RQ) Feb 82
(F) Mar 100
Sweep, Loss Of (RQ) Mar 82
Sync (SBS) Jul 58
Problem (RQ) Sep 82
Video
Detector Failure (F) Jul 85
Intermittent (RQ) Feb 83
Modulator (C) (Dash) Aug 33
Weak (RQ) Apr 80
VIZ WR-549A Pulse Generator (ER) May 30
WV-534A Voltohmyst V (ER) Sep 104
Voltage-Dependent Resistor (RQ) Sep 82
Voltage Regulator, Quick-Response (SC) Jun 68
Voltmeter (see listing under Test Equipment)

W

Wawasee JBC-1000-SM Catalyzer (ER) Jun 25
Want Of A Nail (E) Dec 12
Wards GCI-17241A (RQ) Feb 79
Wattmeter (see listing under Test Equipment)
What You Need To Know About CB Test Gear (Belt) Nov 49
What You Should Know About CB Antennas (Friedberg) Oct 64
What You Should Know About Digital Voltmeters (Gilmore) Jul 53
What's New For '77, Color TV (EX) (Savon) Feb 55
Width
Excessive (RQ) Mar 84
Loss Of (RQ) Mar 83
Wipeout Of 6JE6's, Intermittent (RQ) Feb 83

X

XR-2206 IC Function Generator Circuits (Marston) Apr 36, May 66

Y

Yamaha B-2 Amplifier (LTHFER) Jan 59
CT-800 Tuner (LTHFER) Apr 49
Your Service Shop (SC) May 81

Z

Z-80 (CC) Nov 78, Dec 72
Zenith
B&W Portable (RQ) Oct 84
MPS-90W (RQ) Oct 84
4B25C19 (SQ) Dec 67
12A13C52 (RQ) Oct 84
14A9C50 (SQ) Dec 74
16H27 (RQ) Mar 83
19DC21 (RQ) Apr 81
19EC45 (F) Mar 99
19FC45 (RQ) Aug 68
20X1C38 (RQ) Oct 84
20Y1C48 (RQ) Aug 68
24NC31 (RQ) Apr 81
What's New For '77 (EX) (Savon) Feb 55